

SEARCH REQUEST FORM

15110

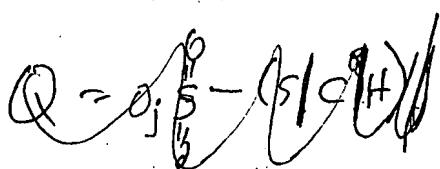
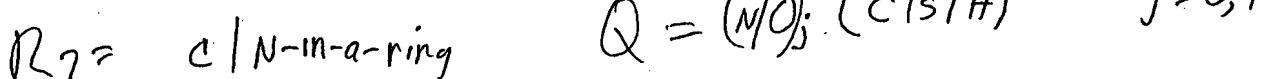
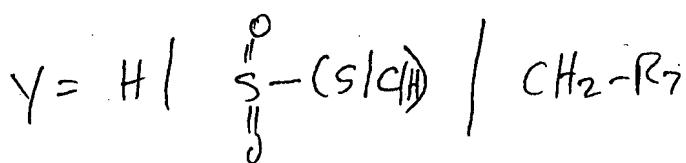
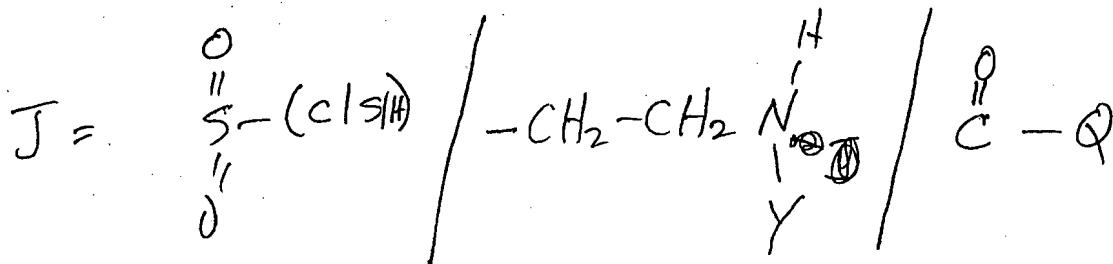
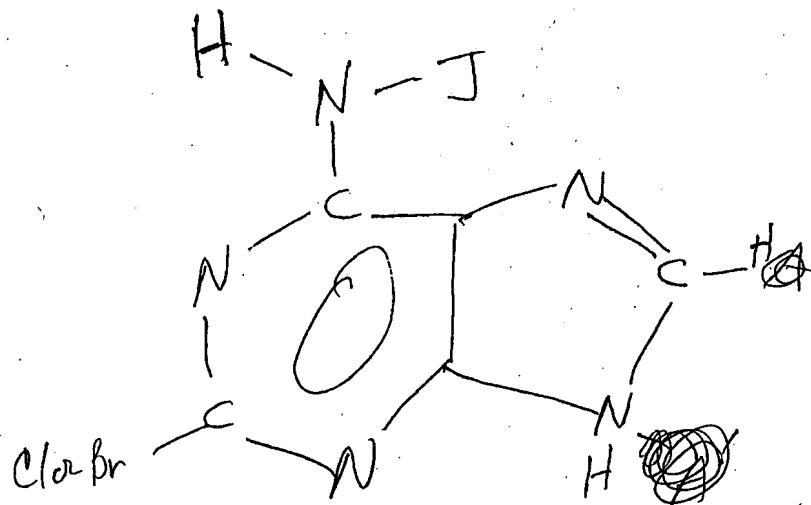
Requestor's Name: BERCH

Serial Number: 10606424

Date: 4/19 Phone: 521-272-0663 Art Unit: 1624
Office Rem 5C01 Mailbox 5C18

Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).



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12/08

11/3/87

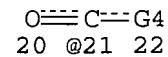
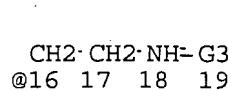
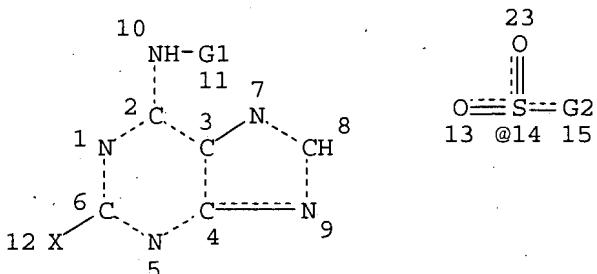
#1 of 4

claim 16

16b.06
44.91
2.14
17.66
38477

Page 1

=> d 13 que stat;fil caplus;s 13
L1 STR



N---G2 @24 25 O---G2 @26 27 CH2G5 @28 29 N @30

VAR G1=14/16/21
VAR G2=C/S/H
VAR G3=H/14/28
VAR G4=24/26/C/S/H
VAR G5=C/30

NODE ATTRIBUTES:

NSPEC IS R AT 30
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 30

STEREO ATTRIBUTES: NONE

L3 2 SEA FILE=REGISTRY SSS FUL L1

100.0% PROCESSED 13 ITERATIONS
SEARCH TIME: 00.00.01

2 ANSWERS

COST IN U.S. DOLLARS

SINCE FILE

FULL ESTIMATED COST

ENTRY

TOTAL

165.63

SESSION

165.84

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Claim 16

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FILE COVERS 1907 - 22 Apr 2005 VOL 142 ISS 18
FILE LAST UPDATED: 21 Apr 2005 (20050421/ED)

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substance identification.

L4 1 L3

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L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER: 2002:504788 CAPLUS

DOCUMENT NUMBER: 137:78809
TITLE: Method of preparation of novel purine derivatives and
their use as antifungal medicines
INVENTOR(S): Bordoni-Pallier, Florence; Haesslein, Jean-Luc
PATENT ASSIGNEE(S): Aventis Pharma S.A., Fr.
SOURCE: PCT Int. Appl., 87 pp.
CODEN: PIIXD2

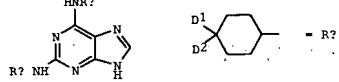
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051843	A1	20020704	WO 2001-FR4051	20011219
W: AE, AG, AL, AU, BA, BB, BG, BR, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EC, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MN, MX, NO, NZ, OM, PH, PL, RO, SG, SI, SK, TN, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
FR 2818642	A1	20020628	FR 2000-17009	20001226
CA 2433220	AA	20020704	CA 2001-2433220	20011219
EP 1347975	A1	20031001	EP 2001-994897	20011219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004516326	T2	20040603	JP 2002-552938	20011219
US 2004063732	A1	20040401	US 2003-606424	20030626
PRIORITY APPLN. INFO.:			FR 2000-17009	A 20001226
			WO 2001-FR4051	W 20011219

OTHER SOURCE(S): CASREACT 137:78809; MARPAT 137:78809

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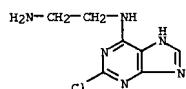


AB The invention concerns novel purine products I (Rx = (2)NR1; Z = CH2, SO2, CO, CO2, CONH, (CH2)2-NR6; n = 0, 1; R1 = H, Ph, CH2Ph, pyridyl, alkyl, piperidinyl (optionally substituted); Ry = (un)substituted Ph, Rz; D1, D2 = H, (un)substituted NH2], in all the isomeric forms and pharmaceutically acceptable salts, for use as antifungal medicines. Thus, trans-N2-(4-aminocyclohexyl)-N6-(3,4-dichlorophenyl)-9H-purin-6-amine (I; Rx = 4-aminocyclohexyl, Ry = 3,4-dichlorophenyl) was prepared from

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)
2,6-dichloropurine via amination with 3,4-dichloroaniline in BuOH followed by fusion with trans-1,4-diaminocyclohexane at 70°. I (Rx = 4-aminocyclohexyl, Ry = 3,4-dichlorophenyl) was shown to be an active inhibitor of CIV-CDK (CIV1) [IC50 = 2.9 μM] and Candida albicans [CMI = 25 μg/ml].

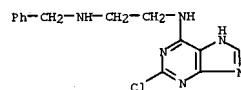
IT 439803-46-0P
RL: BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(Preparation and sulfenylation of, in, preparation of novel purine derivs. as inhibitors of CIV-CDK)

RN 439803-46-0 CAPLUS
CN 1,2-Ethanediamine, N-(2-chloro-1H-purin-6-yl)- (9CI) (CA INDEX NAME)



IT 439803-52-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of novel purine derivs. as inhibitors of CIV-CDK)

RN 439803-52-8 CAPLUS
CN 1,2-Ethanediamine, N-(2-chloro-1H-purin-6-yl)-N'-(phenylmethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Page 4

=> fil caol;s 13	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	5.39	171.23
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.73	-0.73

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FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

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This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

L5 0 L3

=> log y	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	0.43	171.66
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-0.73

STN INTERNATIONAL LOGOFF AT 11:38:09 ON 22 APR 2005